FIG. 1

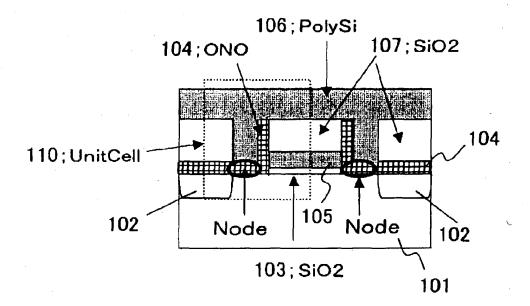
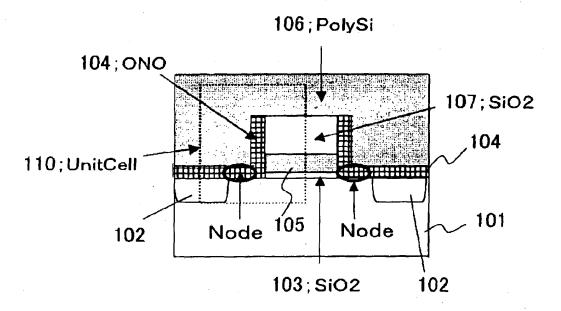


FIG. 2



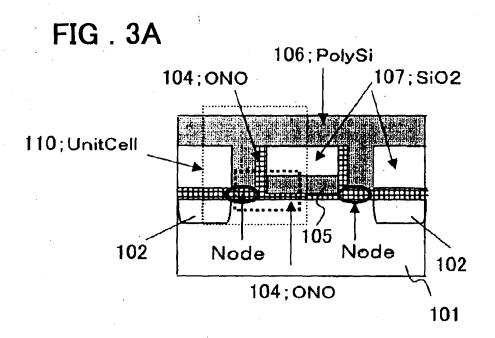


FIG. 3B

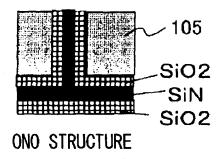
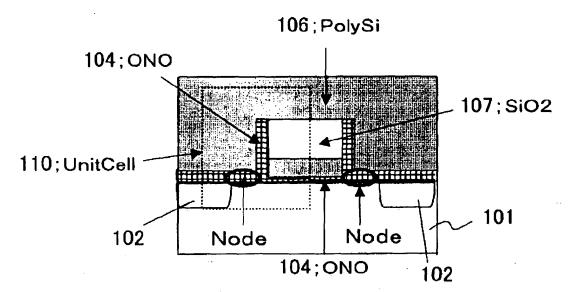
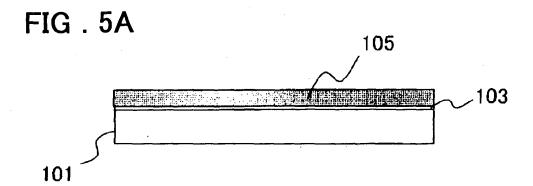
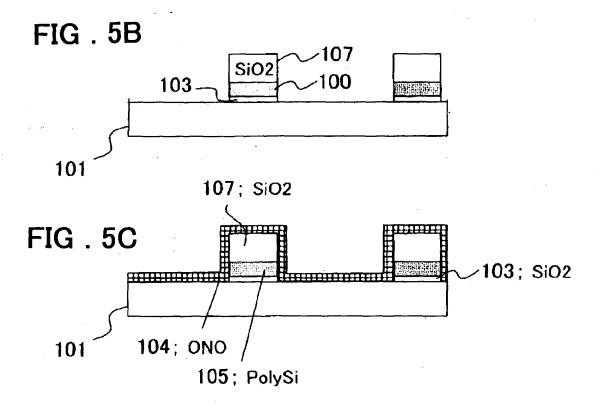
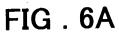


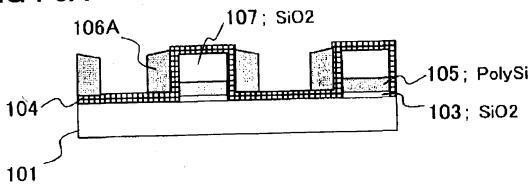
FIG. 4

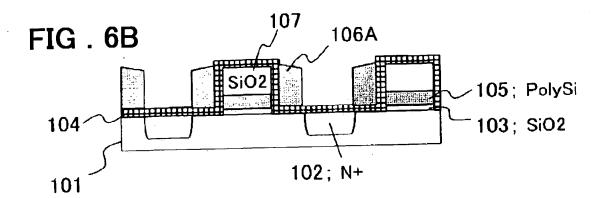


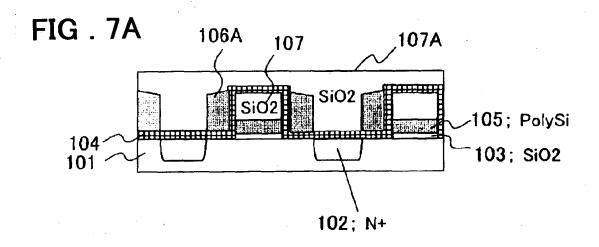


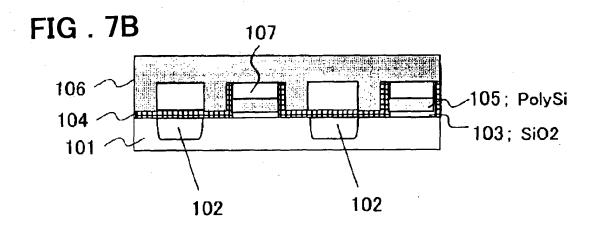


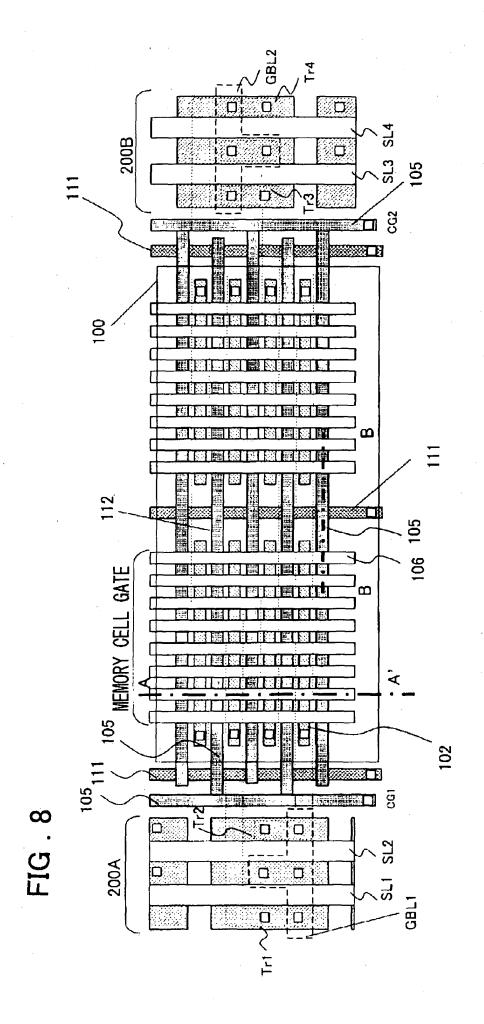


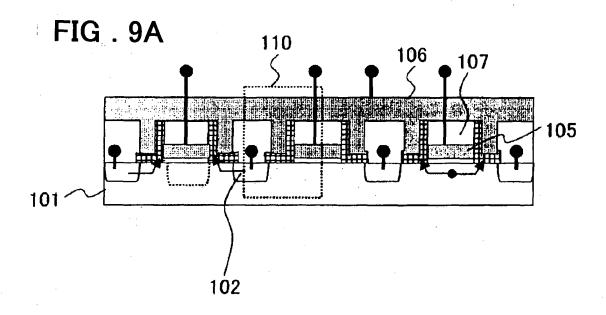


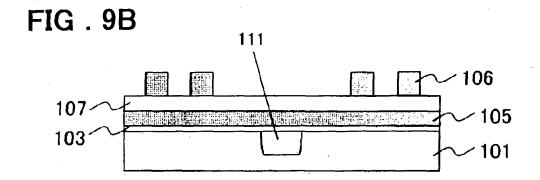


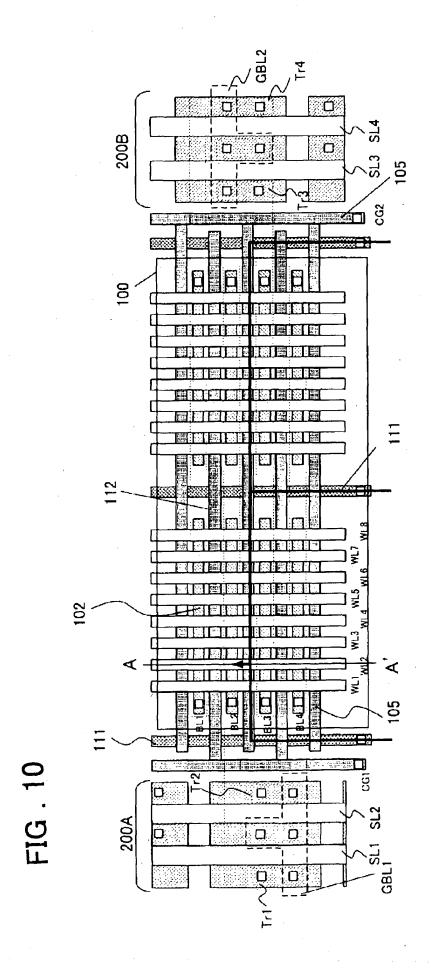


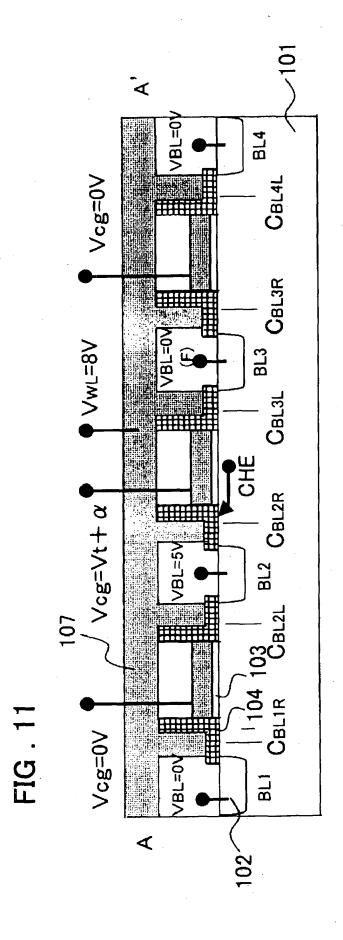


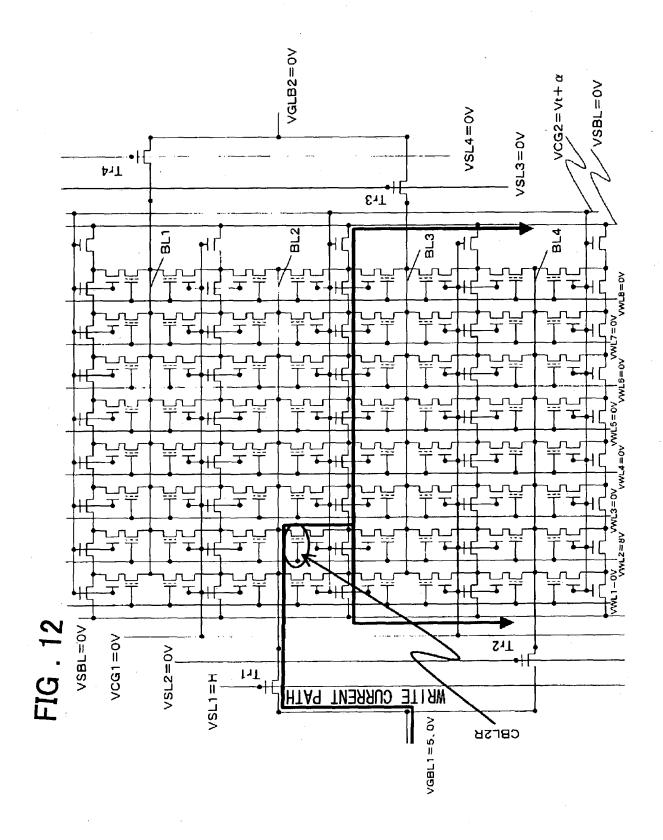


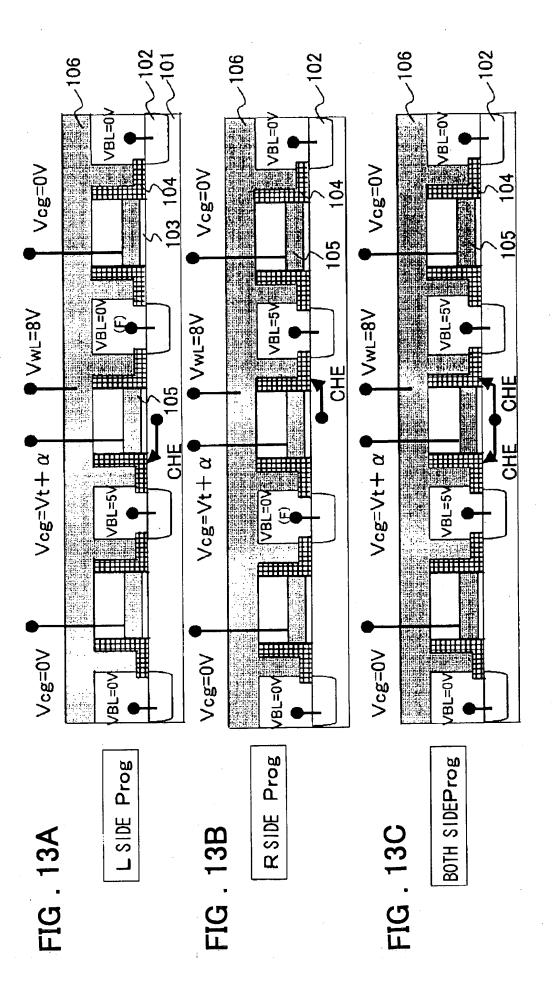












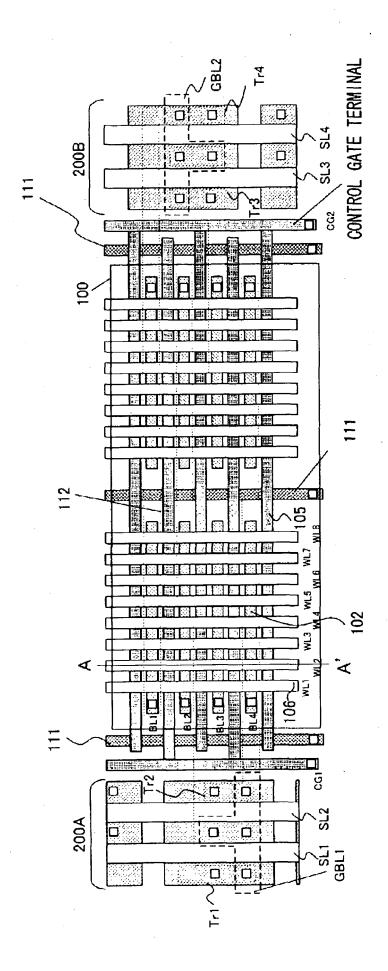
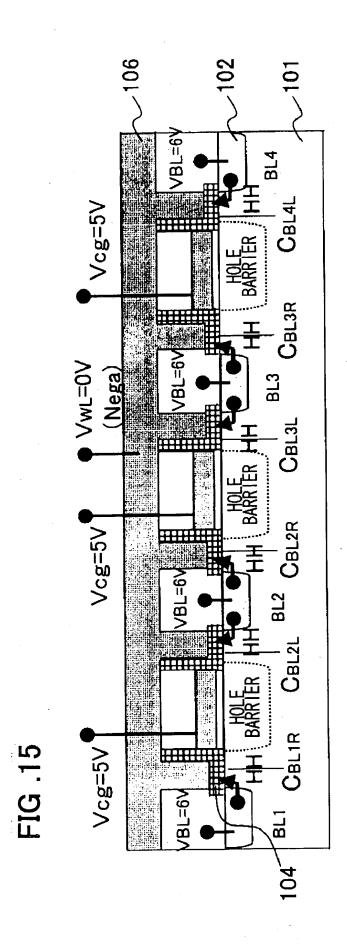
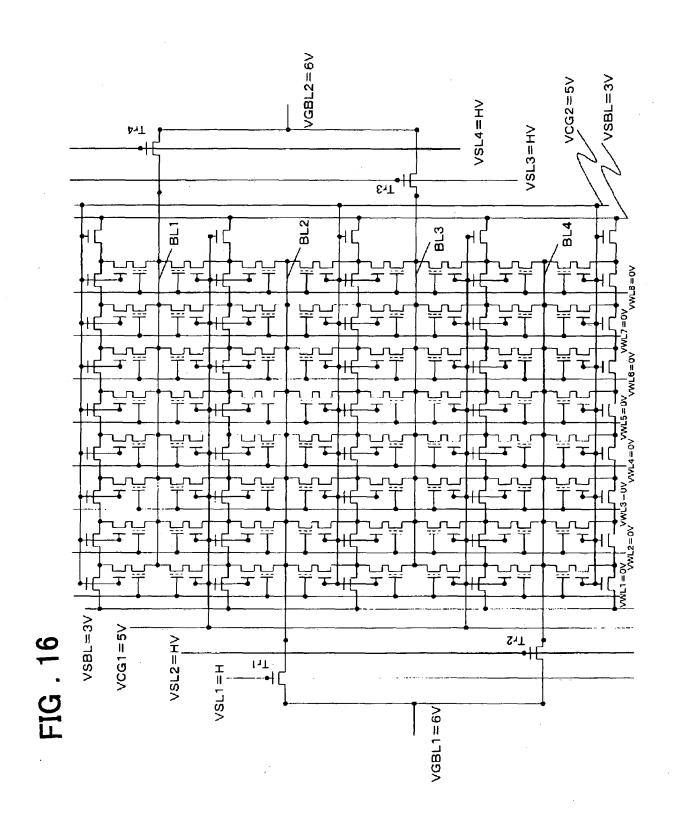
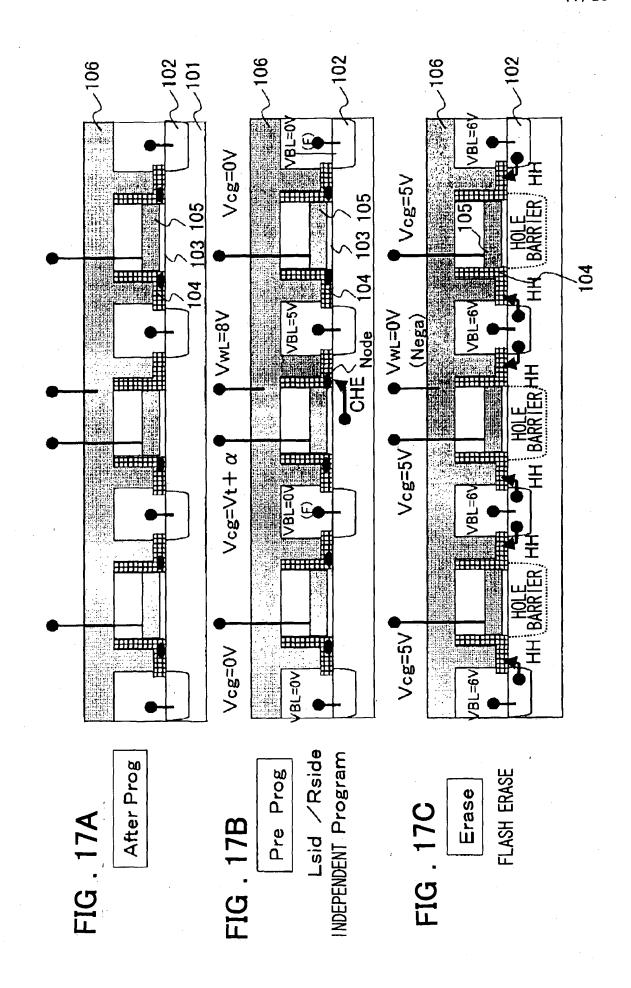
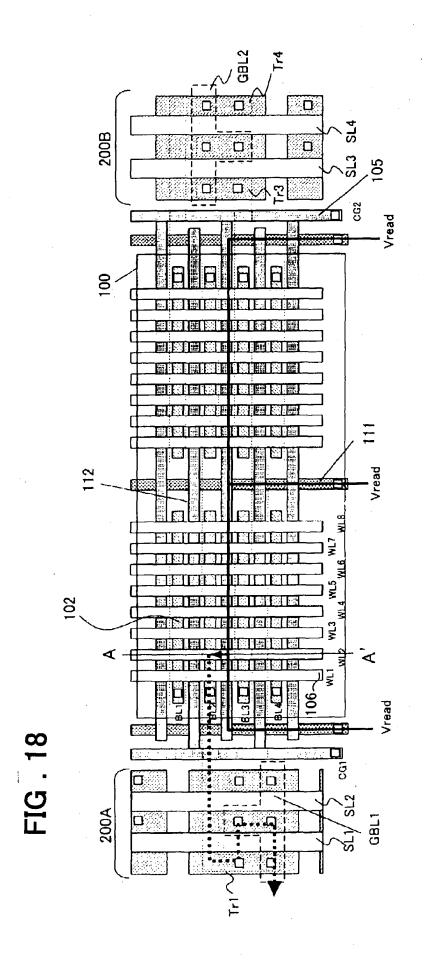


FIG .14









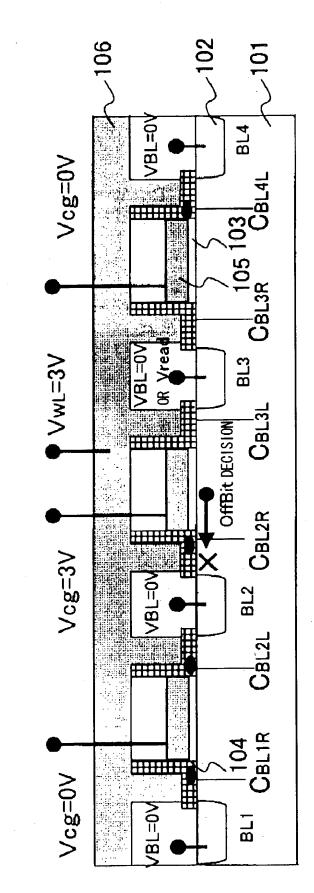
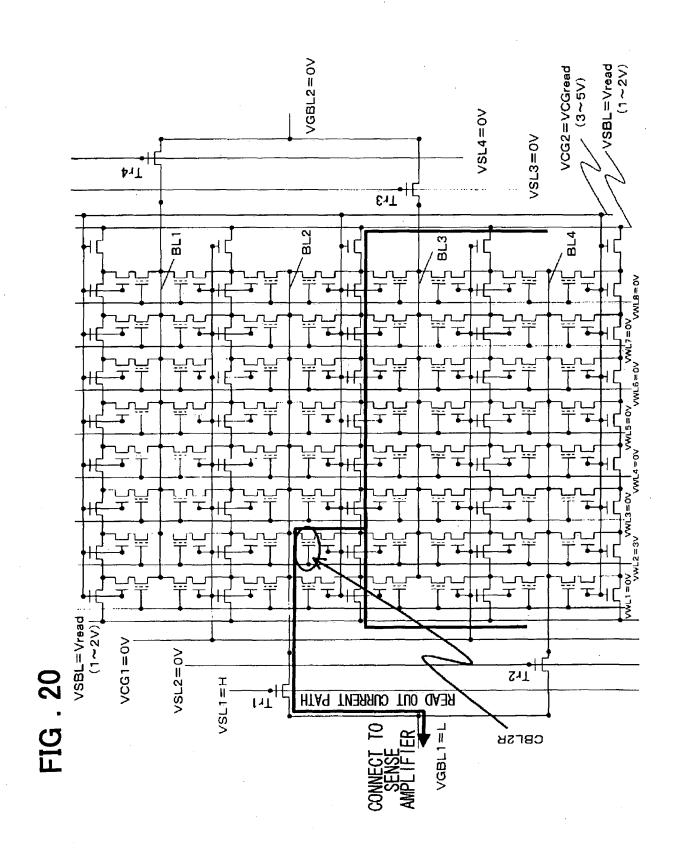
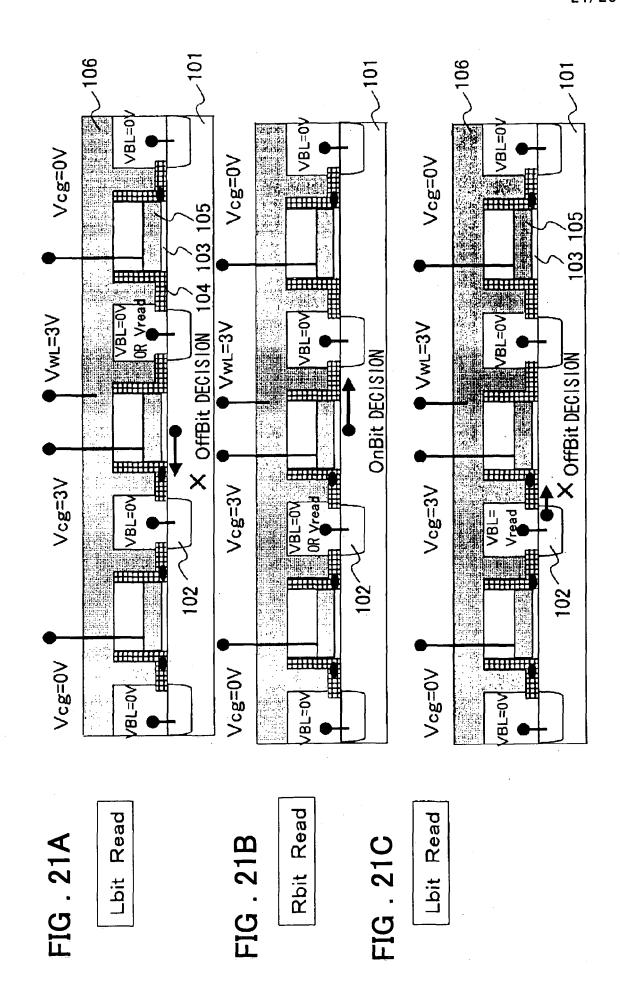


FIG. 1





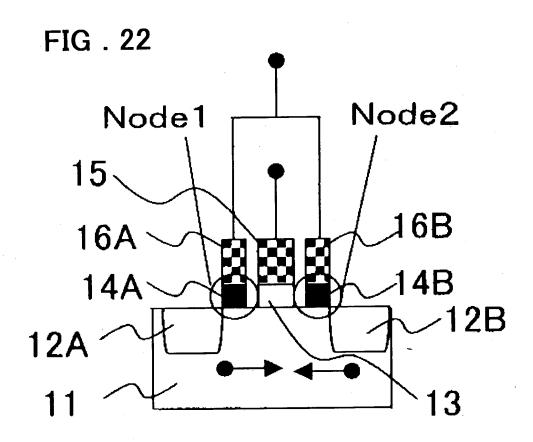


FIG . 23 PRIOR ART

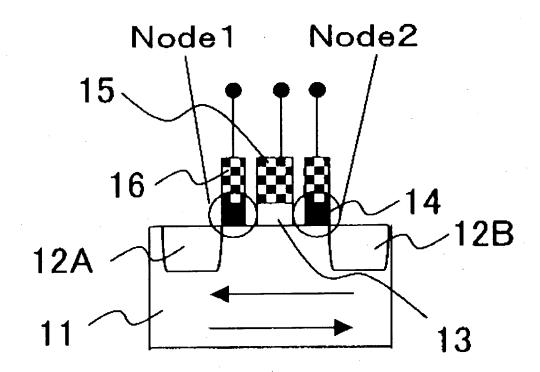
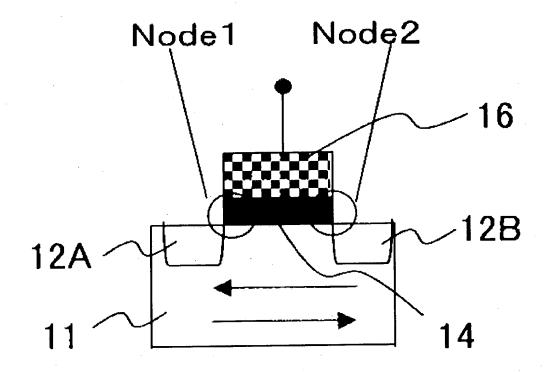
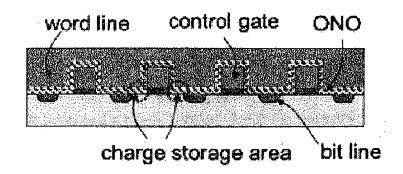


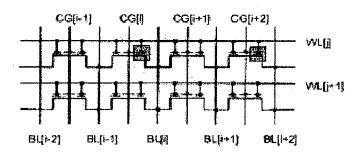
FIG. 24 PRIOR ART



## FIG . 25A PRIOR ART



## FIG . 25B PRIOR ART



## FIG . 25C PRIOR ART

	Wli (j)	WL(k≠j)	BL(I+2n)	BL([+2n-1)	CG(I+2n)	CG(I+2n-1)
Prog	9.0V	0.0V	5.0V	0.0V	1.0V/0.0V	0.0V
Erase	0.0V	0.0V	7. <b>0</b> V	0.0V	5.0V	0.0V
Read	Vread	V0.0	0.0V	1.5V	1.5V	V0.0

FIG . 26A

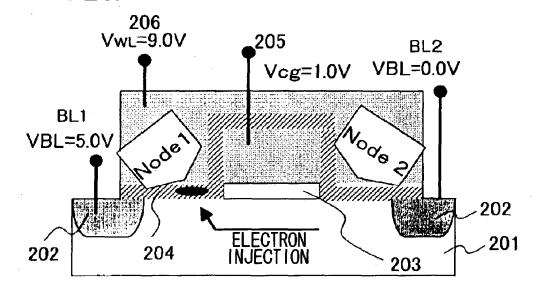


FIG . 26B

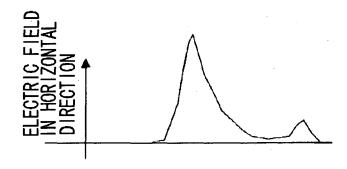


FIG . 27

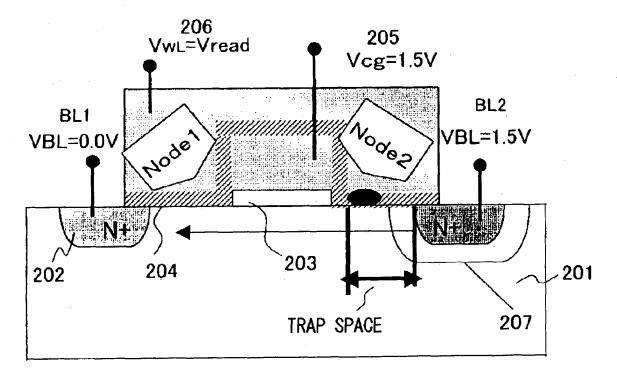
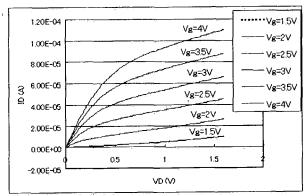
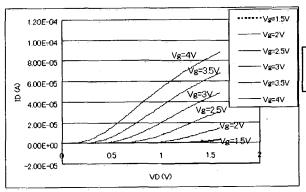


FIG . 28A



Node1:Erased Node2:Erased

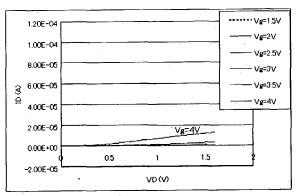
FIG . 28B



Node1:Erased Node2:Programmed

TRAP SPACE 0.03~0.05um

FIG. 28C



Node1:Erased Node2:Programmed

TRAP SPACE 0.2~0.25um

FIG . 29

